```
RRRRRRRRRRRR       UUU          UUU  NNN        NNN   000000000     FFFFFFFFFFFFFFF    FFFFFFFFFFFFFFFF
RRRRRRRRRRRR       UUU          UUU  NNN        NNN   000000000     FFFFFFFFFFFFFFF    FFFFFFFFFFFFFFFF
RRRRRRRRRRRR       UUU          UUU  NNN        NNN   000000000     FFFFFFFFFFFFFFF    FFFFFFFFFFFFFFFF
RRR       RRR      UUU          UUU  NNN        NNN  000      000   FFF                FFF
RRR       RRR      UUU          UUU  NNN        NNN  000      000   FFF                FFF
RRR       RRR      UUU          UUU  NNN        NNN  000      000   FFF                FFF
RRR       RRR      UUU          UUU  NNNNNN     NNN  000      000   FFF                FFF
RRR       RRR      UUU          UUU  NNNNNN     NNN  000      000   FFF                FFF
RRR       RRR      UUU          UUU  NNN        NNN  000      000   FFF                FFF
RRRRRRRRRRRR       UUU          UUU  NNN  NNN   NNN  000      000   FFFFFFFFFFF        FFFFFFFFFFF
RRRRRRRRRRRR       UUU          UUU  NNN  NNN   NNN  000      000   FFFFFFFFFFF        FFFFFFFFFFF
RRRRRRRRRRRR       UUU          UUU  NNN  NNN   NNN  000      000   FFFFFFFFFFF        FFFFFFFFFFF
RRR   RRR          UUU          UUU  NNN        NNN  000      000   FFF                FFF
RRR   RRR          UUU          UUU  NNN     NNNNNN  000      000   FFF                FFF
RRR    RRR         UUU          UUU  NNN     NNNNNN  000      000   FFF                FFF
RRR      RRR       UUU          UUU  NNN        NNN  000      000   FFF                FFF
RRR       RRR      UUU          UUU  NNN        NNN  000      000   FFF                FFF
RRR       RRR      UUU          UUU  NNN        NNN  000      000   FFF                FFF
RRR          RRR   UUUUUUUUUUUUUUUU  NNN        NNN   000000000     FFF                FFF
RRR          RRR   UUUUUUUUUUUUUUUU  NNN        NNH   000000000     FFF                FFF
RRR          RRR   UUUUUUUUUUUUUUUU  NNN        NNN   000000000     FFF                FFF
```

```
DDDDDDD     SSSSSSSS   RRRRRRR   LL          IIIIII   BBBBBBBB
DDDDDDD     SSSSSSSS   RRRRRRR   LL          IIIIII   BBBBBBBB
DD     DD   SS         RR    RR  LL            II     BB     BB
DD     DD   SS         RR    RR  LL            II     BB     BB
DD     DD   SS         RR    RR  LL            II     BB     BB
DD     DD   SS         RR    RR  LL            II     BB     BB
DD     DD     SSSSSS   RRRRRRR   LL            II     BBBBBBBB
DD     DD     SSSSSS   RRRRRRR   LL            II     BBBBBBBB
DD     DD         SS   RR  RR    LL            II     BB     BB
DD     DD         SS   RR  RR    LL            II     BB     BB
DD     DD         SS   RR   RR   LL            II     BB     BB
DD     DD         SS   RR   RR   LL            II     BB     BB
DDDDDDD     SSSSSSSS   RR    RR  LLLLLLLLLL  IIIIII   BBBBBBBB   ....
DDDDDDD     SSSSSSS    RR    RR  LLLLLLLLLL  IIIIII   BBBBBBBB   ....
                                                               ....
                                                               ....

RRRRRRR   EEEEEEEEEE    QQQQQQ
RRRRRRR   EEEEEEEEEE    QQQQQQ
RR    RR  EE          QQ      QQ
RR    RR  EE          QQ      QQ
RR    RR  EE          QQ      QQ
RR    RR  EE          QQ      QQ
RRRRRRR   EEEEEEEE    QQ      QQ
RRRRRRR   EEEEEEEE    QQ      QQ
RR  RR    EE         QQ   QQ  QQ
RR  RR    EE         QQ   QQ  QQ
RR    RR  EE         QQ      QQ
RR    RR  EE         QQ      QQ
RR     RR EEEEEEEEEE    QQQQ  QQ
RR     RR EEEEEEEEEE    QQQQ  QQ
```

Version: 'V04-000'

```
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```

```
++
FACILITY:    DSR (Digital Standard RUNOFF) / DSRPLUS

DSRLIB.REQ requires in almost all Require files used by DSR and DSRPLUS.
It is used to build both DSRLIB.L-- and DPLLIB.L--, which are used (via
a conditionalized LIBRARY statement) by almost all modules in the DSR /
DSRPLUS code.

The remaining REQUIRE statements in the code occur in RNFERM.BLI, which
requires MSGTXT.REQ, and in LP1.BLI, which requires RUNTAB.REQ.

ENVIRONMENT: Transportable BLISS

AUTHOR:      Keith Dawson    CREATION DATE:  March 1983

MODIFIED BY:

    008    REM00008       Ray Marshall     4-June-1984
           Added a SWITCHES declaration to cause the expansion of the
            .REQ files.

    007    KAD00007       Keith Dawson     9-May-1983
           Remove support for .DX, .PX.

    006    KAD00006       Keith Dawson     13-Apr-1983
           Added conditionals on CREFDS, GTOKCC, KEYWORD.

    005    KAD00005       Keith Dawson     7-Apr-1983
           Added require files GTOKCC, KWTDEF (omitted by accident)
```

```
!
      004      KAD00004         Keith Dawson    6-Apr-1983
               Added require files for cross-referencing (KEYWORD, CREFDS),
                 final-output modifications (PASS).

      003      RER00003         Ron Randall     04-Apr-1983
               For DSRPLUS:  Added topnote require files (TNREC, TOPNOT).

      002      KAD00002         Keith Dawson    17-Mar-1983
               Conditionalized 6 DSRPLUS-only Require files on the DSRPLUS
                 variant.
!--
```

```
LIBRARY 'NXPORT:XPORT';

%IF (%VARIANT/2) %THEN
LIBRARY 'REQ:RNODEFDPL';                 ! Define /VARIANT macros
%ELSE
LIBRARY 'REQ:RNODEFDSR';                 ! Define /VARIANT macros
%FI

SWITCHES LIST (REQUIRE);                  ! This declaration causes the remaining files
                                          ! to be expanded in the listing
!
! The following files are used by some of the Require files to come.
!
REQUIRE 'REQ:MAXIMA.REQ';                 ! Maximum values on some DSR / DSRPLUS parameters.
REQUIRE 'REQ:BPOSIT.REQ';                 ! Macro to return the bit position part of a field definition.
REQUIRE 'REQ:CLIST.REQ';                  ! CL... (counted list) items
REQUIRE 'REQ:LSTBTS.REQ';                 ! BAR__-, CND__, ISQ__, & RIT__
REQUIRE 'REQ:NBITS.REQ';                  ! More "__" bit definitions for a few flags
REQUIRE 'REQ:PAGEN.REQ';                  ! SCT_... and PAGE_DEFINITION macros

REQUIRE 'REQ:ARECCC.REQ';                 ! AREC completion codes.
REQUIRE 'REQ:ATCODE.REQ';                 ! ATABLE entry codes.

%IF DSRPLUS %THEN
REQUIRE 'REQ:ATTCC.REQ';                  ! Completion codes for routines in ATTRIB
%FI

REQUIRE 'REQ:BOOL.REQ';                   ! TRUE & FALSE literals (only)
REQUIRE 'REQ:BRNRTY.REQ';                 ! .BRN-format binary file record def's.
REQUIRE 'REQ:CLHCC.REQ';                  ! CLH_... status return codes
REQUIRE 'REQ:CLHOPS.REQ';                 ! CLH_... operation codes
REQUIRE 'REQ:CONVRT.REQ';                 ! TCONVRT_... def's (string conversion codes)

%IF DSRPLUS %THEN
REQUIRE 'REQ:CREFDS.REQ';                 ! Cross-referencing data structures
%FI

REQUIRE 'REQ:DIGIT.REQ';                  ! Macro to test if a character is a digit
!! REQUIRE 'REQ:DMDEFS.REQ';              ! Dynamic-memory management definitions
REQUIRE 'REQ:ECC.REQ';                    ! Definitions for the Entity Counter/Caption Area
REQUIRE 'REQ:FFDEFS.REQ';                 ! FOO_... opcodes and status values for FOOFIL
REQUIRE 'REQ:FLGT.REQ';                   ! FLaG Table items
REQUIRE 'REQ:FLIPCHARS.REQ';             ! FLIP$K_... special characters
REQUIRE 'REQ:FLIPRECS.REQ';              ! FLIP macro, record, & field definitions and MAX_LEVELS.
REQUIRE 'REQ:FNCT.REQ';                   ! Footnote control table
REQUIRE 'REQ:FOOREC.REQ';                 ! FOOREC_... items (for FN record headers)
REQUIRE 'REQ:FRMSTK.REQ';                 ! Codes for .LS & .NT context save stack
REQUIRE 'REQ:FSPACK.REQ';                 ! FIXED_STRING structure & FS_... macros
REQUIRE 'REQ:GCA.REQ';                    ! GCA (General Control Array) definitions
REQUIRE 'REQ:GETQSC.REQ';                 ! GETQ_... Completion codes
REQUIRE 'REQ:GNCC.REQ';                   ! Completion codes returned by GNAME.
REQUIRE 'REQ:GSLUCC.REQ';                 ! GSLU_... Completion codes

%IF DSRPLUS %THEN
REQUIRE 'REQ:GTOKCC.REQ';                 ! GT_... Completion codes
%FI
```

```
REQUIRE 'REQ:HCT.REQ';            ! HCT_... (Heading Control Table) & LAYOUT_...
REQUIRE 'REQ:HLC.REQ';            ! HLC_... (Header Level Control) area items
REQUIRE 'REQ:IFSTK.REQ';          ! IFSTK... stack for nested .IFs
REQUIRE 'REQ:INDEX.REQ';          ! Structures used by the indexing command
REQUIRE 'REQ:IRAC.REQ';           ! IRAC_... structure Macros & Literal
REQUIRE 'REQ:KC.REQ';             ! Definition of macros: KCNS, KCS, & TISF

%IF DSRPLUS %THEN
REQUIRE 'REQ:KEYWORD.REQ';        ! Keyword-table definitions
%FI

REQUIRE 'REQ:KWITEM.REQ';         ! Macros to access command-keyword fields

%IF DSRPLUS %THEN
REQUIRE 'REQ:KWS.REQ';            ! Definitions for the Attribute Keyword Structure
REQUIRE 'REQ:KWSCON.REQ';         ! Definitions for .SEND CONTENTS keywords
REQUIRE 'REQ:KWSTYL.REQ';         ! KWS$... keyword definitions for .STYLE <e!f!t!h>
REQUIRE 'REQ:KWTDEF.REQ';         ! KW$PDP..., KW$PDM keyword definitions for $$entities
REQUIRE 'REQ:KWXPYP.REQ';         ! KWX$... keyword definitions for .XP, .YP, .ENA XP
%FI

REQUIRE 'REQ:LETTER.REQ';         ! Alpha testing and case changing macros
REQUIRE 'REQ:LODEFS.REQ';         ! Literal definitions of LSTOPS operations
REQUIRE 'REQ:MSG.REQ';            ! Macros used in error messages
REQUIRE 'REQ:NDXRTY.REQ';         ! .BIX-format binary file record definitions

%IF DSRPLUS %THEN
REQUIRE 'REQ:NDXXPL.REQ';         ! .XPLUS attribute-structure record definitions
%FI

REQUIRE 'REQ:NMLST.REQ';          ! NMLST_..., NM_...., and NUMBER_LIST
REQUIRE 'REQ:NUMPRM.REQ';         ! NUM_... values returned from GETNUM
REQUIRE 'REQ:OPDEV.REQ';          ! OP_DEV_... literals: type of output device
REQUIRE 'REQ:OUTOPT.REQ';         ! OUTOPT_... output control vector elements
REQUIRE 'REQ:PASS.REQ';           ! PASS_...., EMPH_... definitions for final output
REQUIRE 'REQ:PDT.REQ';            ! PDT_... paragraph definition items
REQUIRE 'REQ:PHDEF.REQ';          ! PHAN_... macros & literal
REQUIRE 'REQ:RNOMAC.REQ';         ! RNO$... command line table items
REQUIRE 'REQ:RUNHAN.REQ';         ! H_.... directive literals
REQUIRE 'REQ:SAVE.REQ';           ! Save and Restore definitions
REQUIRE 'REQ:SAVSTK.REQ';         ! Save and Restore stack
REQUIRE 'REQ:SCA.REQ';            ! SCA_... Scanner and translator control items
REQUIRE 'REQ:SETCAS.REQ';         ! Case control literals
REQUIRE 'REQ:TOCRTY.REQ';         ! TOC record type definitions (MAJ_ & MIN_)

%IF DSRPLUS %THEN
REQUIRE 'REQ:TNFDEFS.REQ';        ! TN_... opcodes and status values for TNFIL
REQUIRE 'REQ:TNREC.REQ';          ! TNREC_... items (for topnote record headers)
REQUIRE 'REQ:TOPNOT.REQ';         ! Topnote control table
%FI

REQUIRE 'REQ:TPROB.REQ';          ! Completion codes returned by TPROBE routine
REQUIRE 'REQ:TSF.REQ';            ! TSF_ (Text so far) macro definitions
REQUIRE 'REQ:VR.REQ';             ! VR_... & VR*_DEF for .VR and conditionals
!! REQUIRE 'REQ:XTNTAB.REQ';      ! In-core index table & entry definitions
```

! End of DSRLIB.REQ

CONVRT
REQ

FRMSTK
REQ

GETQSC
REQ

NDXCLI
REQ

NDXRTY
REQ

ECC
REQ

KWITEM
REQ

PHDEF
REQ

RUNTAB
REQ

FLIPRECS
REQ

FNCT
REQ

GNCC
REQ

IFSTK
REQ

LSTOPS
REQ

OUTOPT
REQ

DIGIT
REQ

FSPACK
REQ

NDXXPL
REQ

MAXIMA
REQ

POOL
REQ

RUNHAN
REQ

DMDEFS
REQ

FFDEFS
REQ

GSLUCC
REQ

INDEX
REQ

NDXLIN
REQ

PAGEN
REQ

LETTER
REQ

NMLST
REQ

FOOFIL
REQ

GCA
REQ

MSG
REQ

RNODEF
REQ

DSRLIB
REQ

FLGT
REQ

HCT
REQ

IRAC
REQ

NDXPOL
REQ

PASS
REQ

LODEFS
REQ

NUMPRM
REQ

FOOREC
REQ

MSGTXT
REQ

NBITS
REQ

KC
REQ

PDT
REQ

RNOMAC
REQ

FLIRCHARS
REQ

HLC
REQ

LSTBTS
REQ

OPDEV
REQ